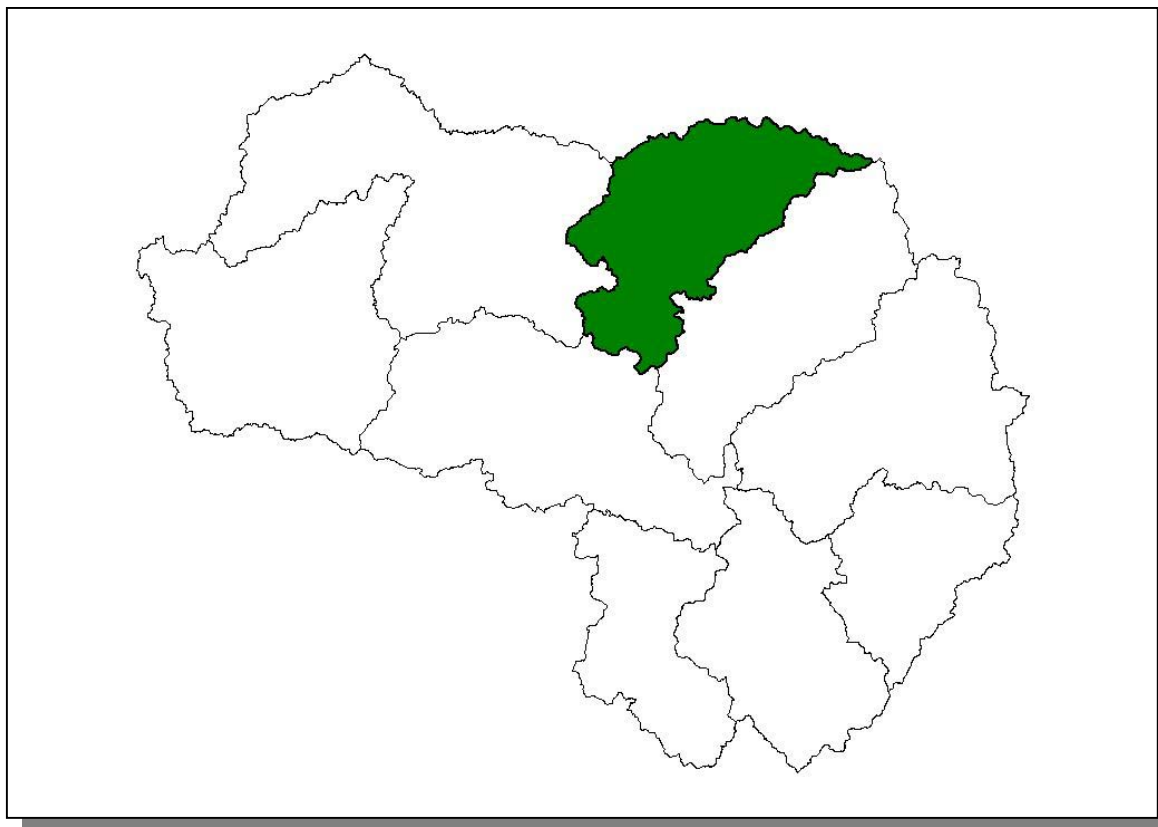
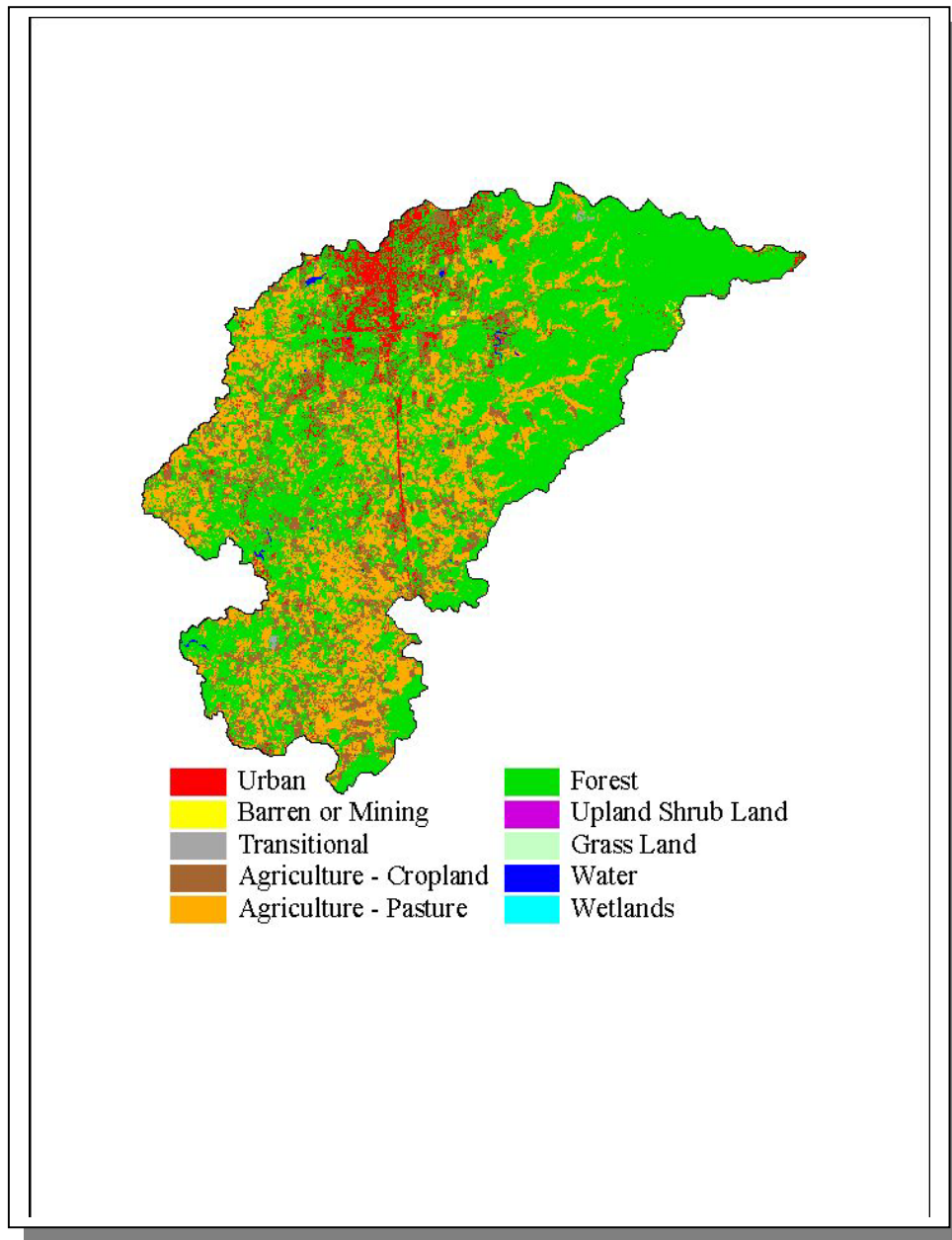


**4.2.G. 0513010807.**

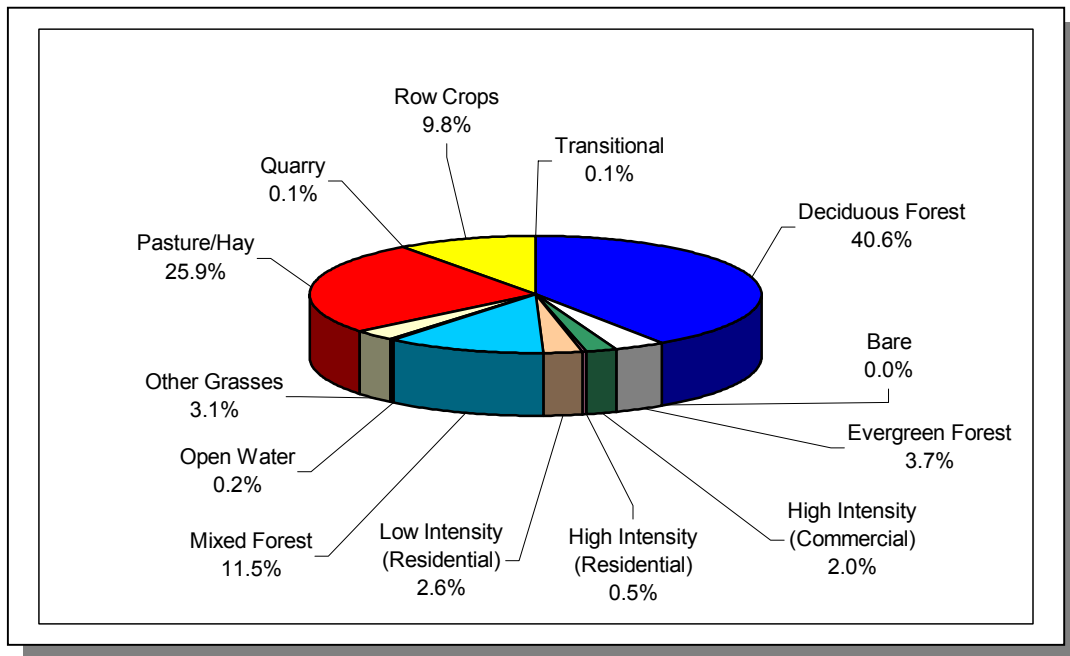


**Figure 4-62. Location of Subwatershed 0513010807.** All Caney Fork HUC-10 subwatershed boundaries are shown for reference.

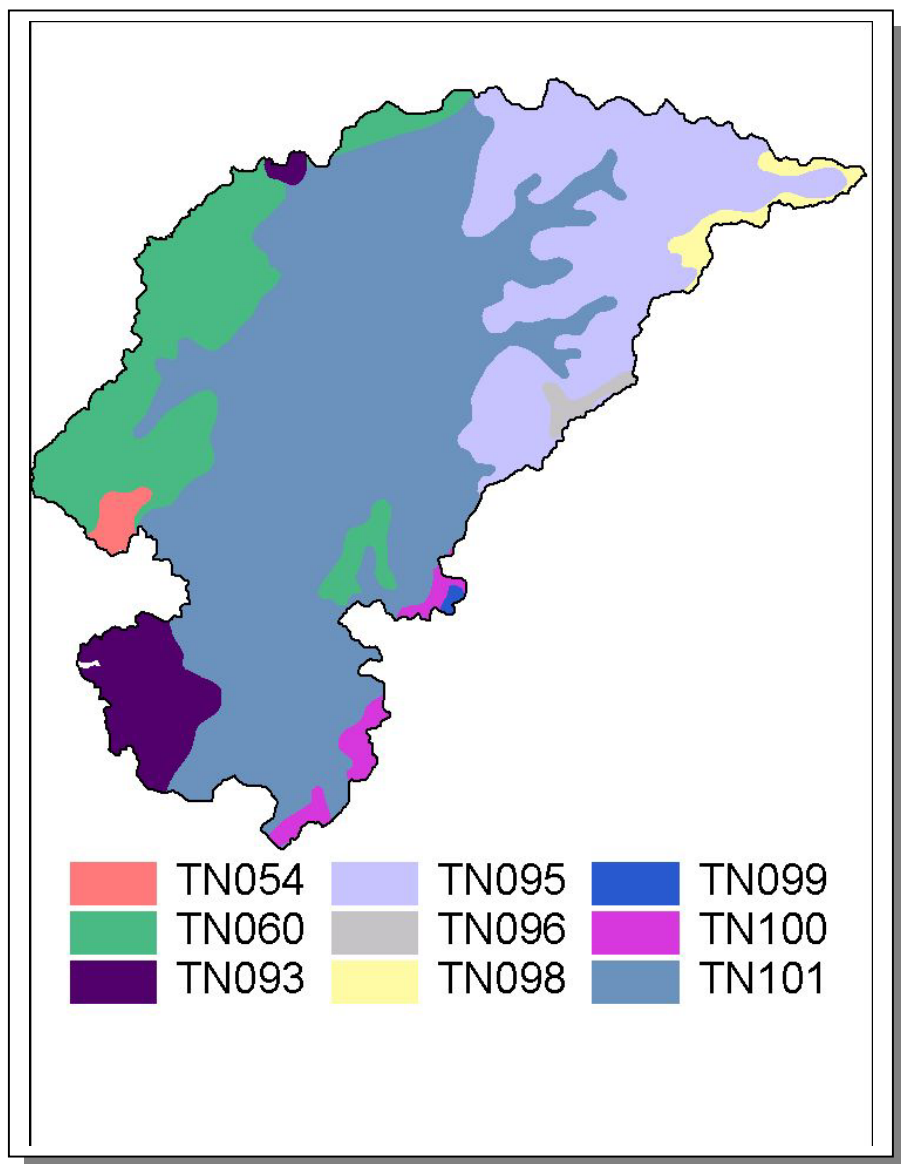
**4.2.G.i.** General Description.



**Figure 4-63. Illustration of Land Use Distribution in Subwatershed 0513010807.**



**Figure 4-64. Land Use Distribution in Subwatershed 0513010807.** More information is provided in Caney Fork-Appendix IV.



**Figure 4-65. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0513010807.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGI C GROUP	PERMEABILITY (in/hr)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN054	0.00	C	3.04	4.84	Loam	0.32
TN060	5.00	B	1.30	5.32	Silty Loam	0.39
TN093	0.00	B	2.43	4.95	Loam	0.36
TN095	0.00	B	2.35	5.12	Loam	0.31
TN096	1.00	C	1.22	5.16	Silty Loam	0.38
TN098	1.00	C	3.98	4.82	Loam	0.32
TN099	1.00	B	1.65	4.98	Silty Loam	0.33
TN100	0.00	B	1.14	3.35	Silty Loam	0.21
TN101	0.00	B	1.71	5.39	Loam	0.35

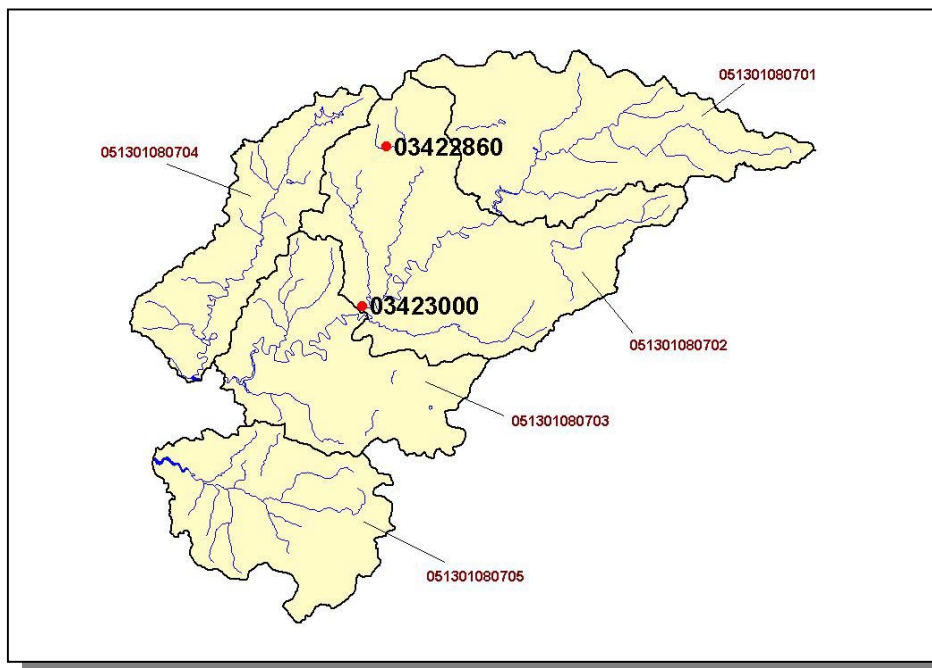
**Table 4-38. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0513010807.** More information is provided in Caney Fork-Appendix IV.

County	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		% CHANGE
	1990	1997 Est.		1990	1997	
DeKalb	14,360	15,743	0.11	15	17	13.3
Putnam	51,373	58,376	27.81	14,289	16,223	13.5
White	20,090	22,201	17.17	3,450	3,812	10.5
<b>Totals</b>	<b>85,823</b>	<b>96,270</b>		<b>17,754</b>	<b>20,052</b>	<b>12.9</b>

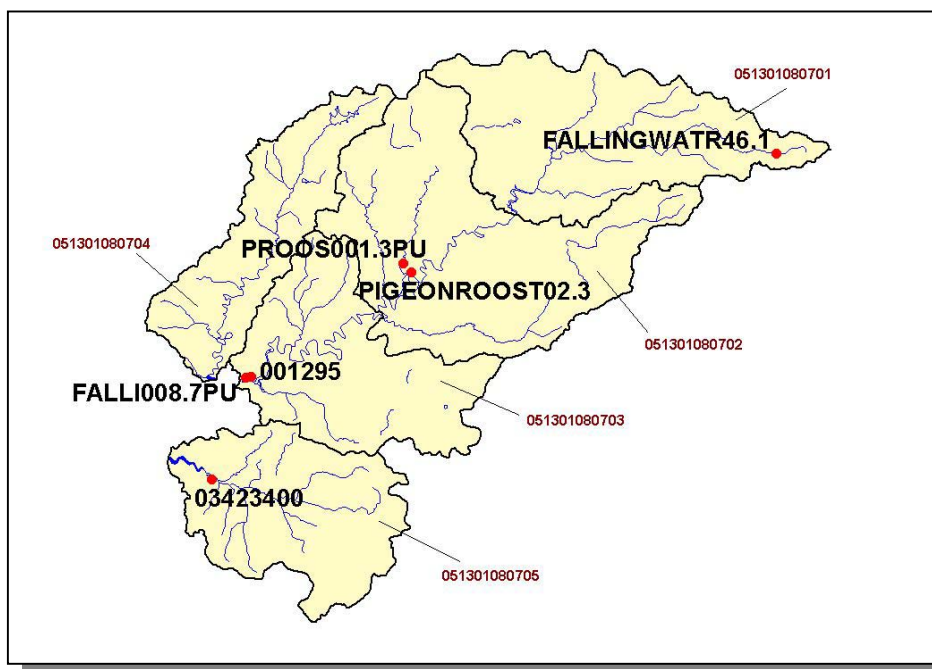
*Table 4-39. Population Estimates in Subwatershed 0513010807.*

NUMBER OF HOUSING UNITS						
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Algood	Putnam	2,399	1,016	706	308	2
Cookeville	Putnam	21,744	9,284	8,131	1,135	18
Monterey	Putnam	2,559	1,113	875	228	10
<b>Total</b>		<b>26,702</b>	<b>11,413</b>	<b>9,712</b>	<b>1,671</b>	<b>30</b>

*Table 4-40. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 0513010807.*

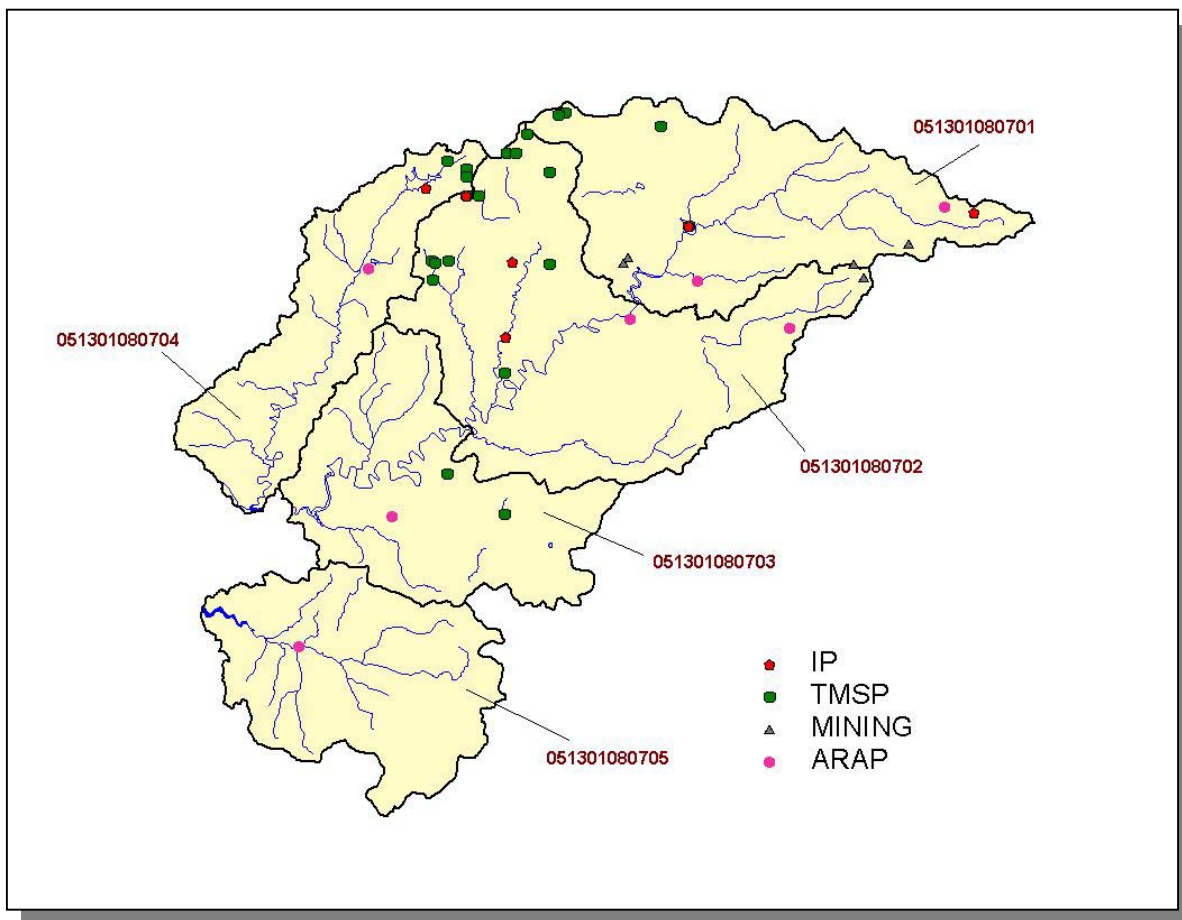


**Figure 4-66. Location of Historical Streamflow Data Collection Sites in Subwatershed 0513010807.** Subwatershed 051301080701, 051301080702, 051301080703, 051301080704, and 051301080705 boundaries are shown for reference. More information is provided in Caney Fork-Appendix IV.



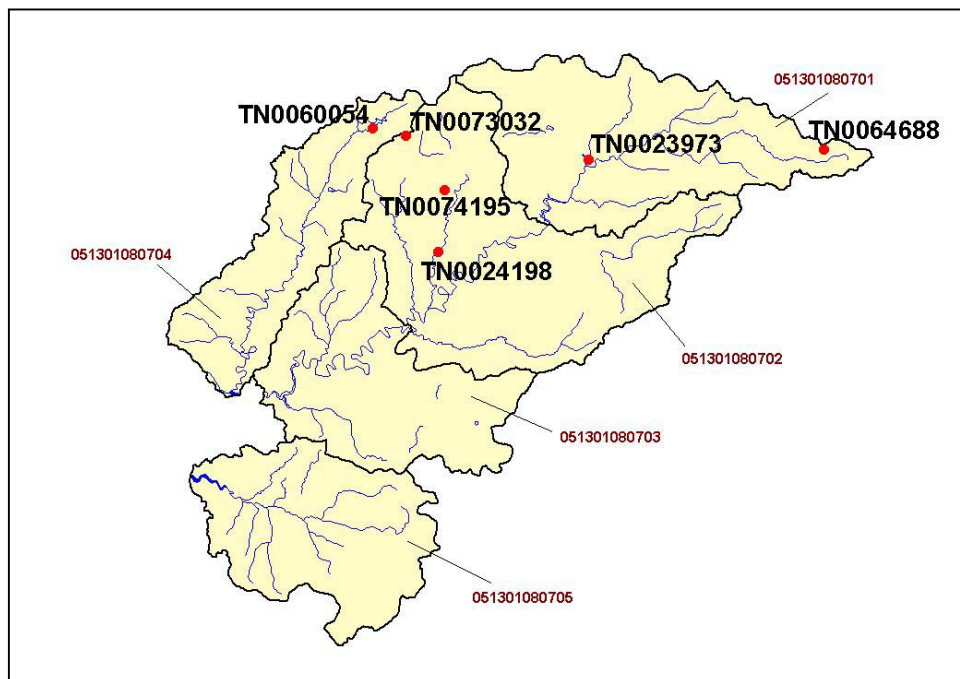
**Figure 4-67. Location of STORET Monitoring Sites in Subwatershed 0513010807.** Subwatershed 051301080701, 051301080702, 051301080703, 051301080704, and 051301080705 boundaries are shown for reference. More information is provided in Caney Fork-Appendix IV.

**4.2.G.ii.** Point Source Contributions.

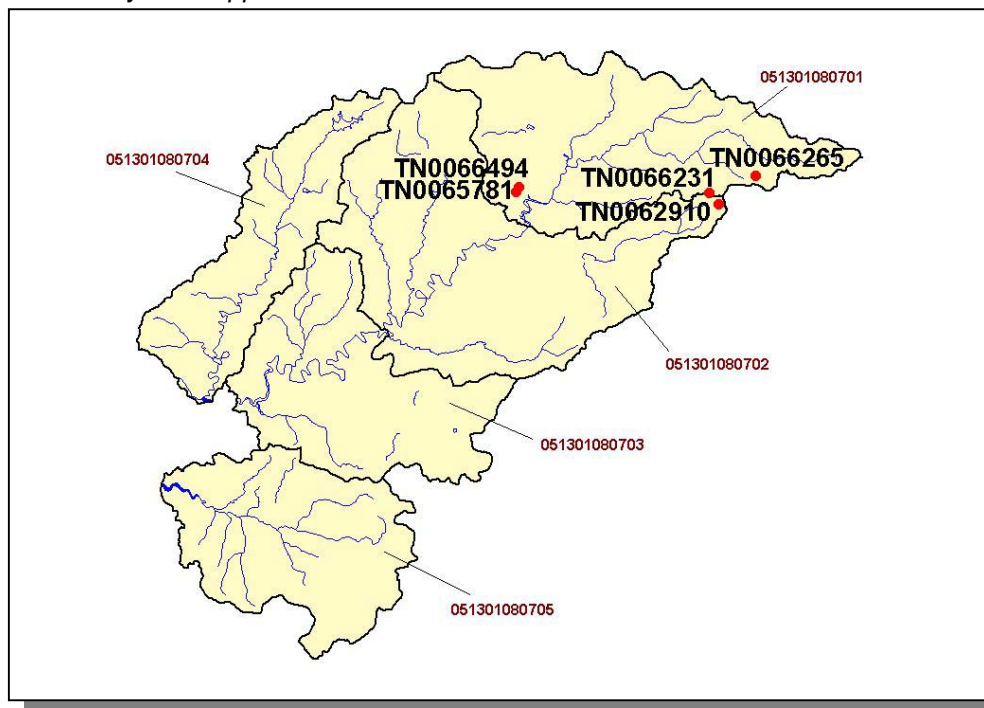


**Figure 4-68. Location of Active Point Source Facilities in Subwatershed 0513010807.** Subwatershed 051301080701, 051301080702, 051301080703, 051301080704, and 051301080705 boundaries are shown for reference. More information is provided in the following figures.



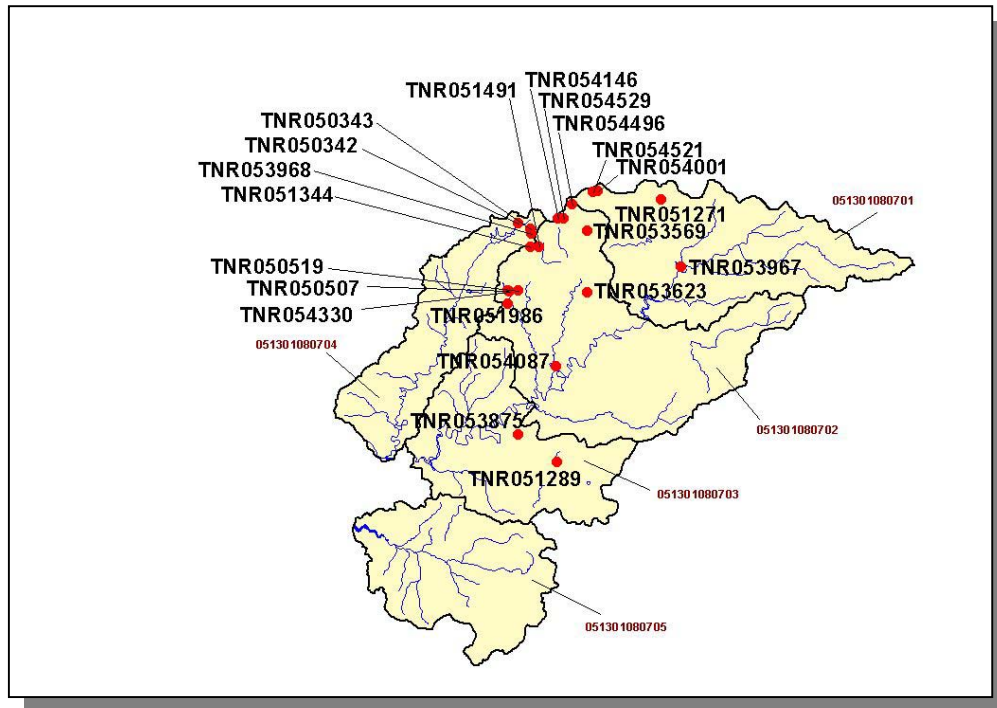


**Figure 4-69. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 0513010807.** Subwatershed 051301080701, 051301080702, 051301080703, 051301080704, and 051301080705 boundaries are shown for reference. More information is provided in Caney Fork-Appendix IV.

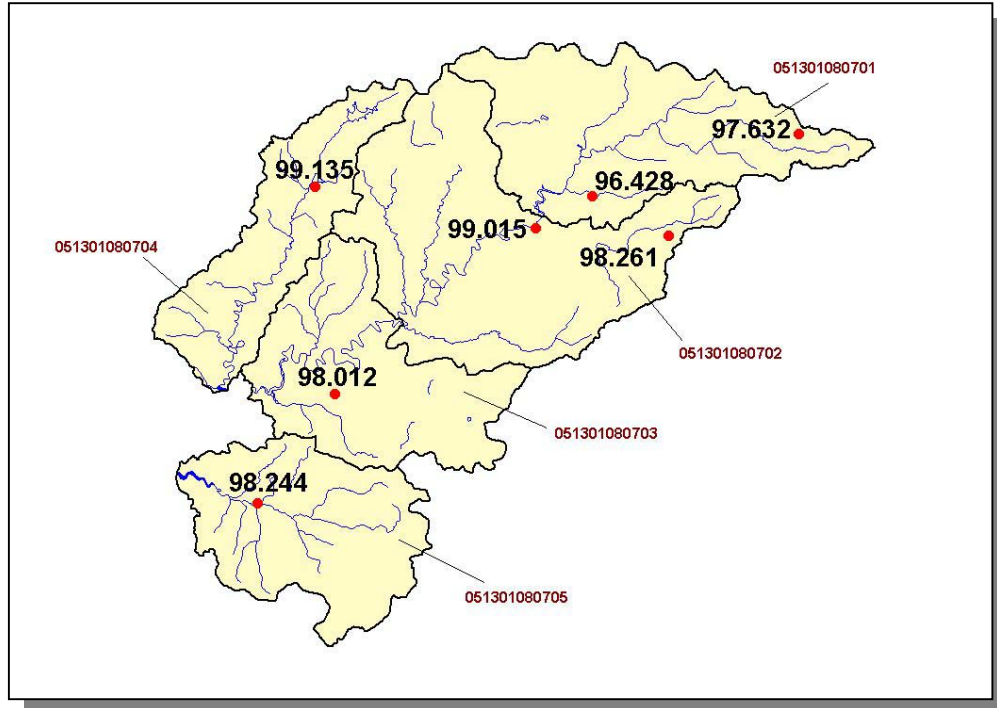


**Figure 4-70. Location of Active Mining Sites in Subwatershed 0513010807.** Subwatershed 051301080701, 051301080702, 051301080703, 051301080704, and 051301080705 boundaries are shown for reference. More information is provided in Caney Fork-Appendix IV.





**Figure 4-71. Location of TMSP Facilities in Subwatershed 0513010807.** Subwatershed 051301080701, 051301080702, 051301080703, 051301080704, and 051301080705 boundaries are shown for reference. More information is provided in Caney Fork-Appendix IV.



**Figure 4-72. Location of ARAP Sites (Individual Permits) in Subwatershed 0513010807.** Subwatershed 051301080701, 051301080702, 051301080703, 051301080704, and 051301080705 boundaries are shown for reference. More information is provided in Caney Fork-Appendix IV

**4.2.G.ii.a. Dischargers to Water Bodies Listed on the 1998 303(d) List**

There are three NPDES facilities discharging to water bodies listed on the 1998 303(d) list in Subwatershed 0513010807:

- TN0024198 (Cookeville STP) discharges to Pigeon Roost Creek @ RM 2.3
- TN0073032 (Union Tools) discharges to a wet weather conveyance to Cane Creek @ RM 14.1
- TN0074195 (TDOT-Putnam County) discharges to an unnamed trib to Pigeon Roost Creek



**Figure 4-73. Location of NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 0513010807.** Subwatershed 051301080701, 051301080702, 051301080703, 051301080704, and 051301080705 boundaries are shown for reference. The names of facilities are provided in Caney Fork-Appendix IV.

PERMIT #	1Q10	3Q10	7Q10	3Q20	QDESIGN
TN0024198	0.66	0.70	0.79	0.60	14.00000
TN0073032				0.32	0.14400
TN0021112				0.00	0.00432

**Table 4-41. Receiving Stream Flow Information for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 0513010807.** Data are in million gallons per day (MGD). Data were obtained from the USGS publication Flow Duration and Low Flows of Tennessee Streams Through 1992 or from permit files.

PERMIT #	P
TN0024198	X

**Table 4-42. Monitoring Requirements for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 0513010807.**

PERMIT #	WET	CBOD <sub>5</sub>	FECAL	NH <sub>3</sub>	Pb	Hg	TRC	TSS	SETTLEABLE SOLIDS	CN	DO	pH
TN0024198	X	X	X	X		X	X	X	X	X	X	X
TN0073032								X				X
TN0074195	X				X			X				

**Table 4-43a. Inorganic Parameters Monitored for Daily Maximum (mg/L) Limits for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 0513010807.** Wet, Whole Effluent Toxicity; CBOD<sub>5</sub>, Carbonaceous Biochemical Oxygen demand (5-Day); TRC, Total Residual Chlorine; TSS, Total Suspended Solids.

PERMIT #	OIL and GREASE	ETHYLBENZENE	BENZENE	TOLUENE	XYLENE
TN0074195	X	X	X	X	X

**Table 4-43b. Organic Parameters Monitored for Daily Maximum (mg/L) Limits for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 0513010807.**

**4.2.G.iii.** Nonpoint Source Contributions.

<b>LIVESTOCK (COUNTS)</b>						
Beef Cow	Cattle	Milk Cow	Chickens	Chickens Sold	Hogs	Sheep
9,185	18,798	1,210	21	0	769	46

**Table 4-44. Summary of Livestock Count Estimates in Subwatershed 0513010807.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

County	<b>INVENTORY</b>		<b>REMOVAL RATE</b>	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Putnam	152.5	152.3	3.6	16.4
White	129.4	129.4	4.9	23.3
<b>Totals</b>	<b>281.9</b>	<b>281.7</b>	<b>8.5</b>	<b>39.7</b>

**Table 4-45. Forest Acreage and Average Removal Rates (1987-1994) in Subwatershed 0513010807.**

<b>CROPS</b>	<b>TONS/ACRE/YEAR</b>
Legume (Hayland)	0.33
Legume/Grass (Hayland)	0.49
Grass (Pastureland)	1.35
Grass, Forbs, Legumes (Mixed Pasture)	0.75
Forest Land (Grazed)	0.00
Corn (Row Crops)	11.84
Soy Beans (Row Crops)	0.93
Conservation Reserve Program Land	0.13
Wheat (Close Grown Cropland)	6.10
All Other Close Grown Cropland	0.67
Other Land in Farms	0.25
Fruit (Horticulture)	0.08
Other (Horticulture)	1.13
Other Vegetable and Truck Crop	14.6
Other Cropland not Planted	2.26

**Table 4-46. Annual Estimated Total Soil Loss in Subwatershed 0513010807.**